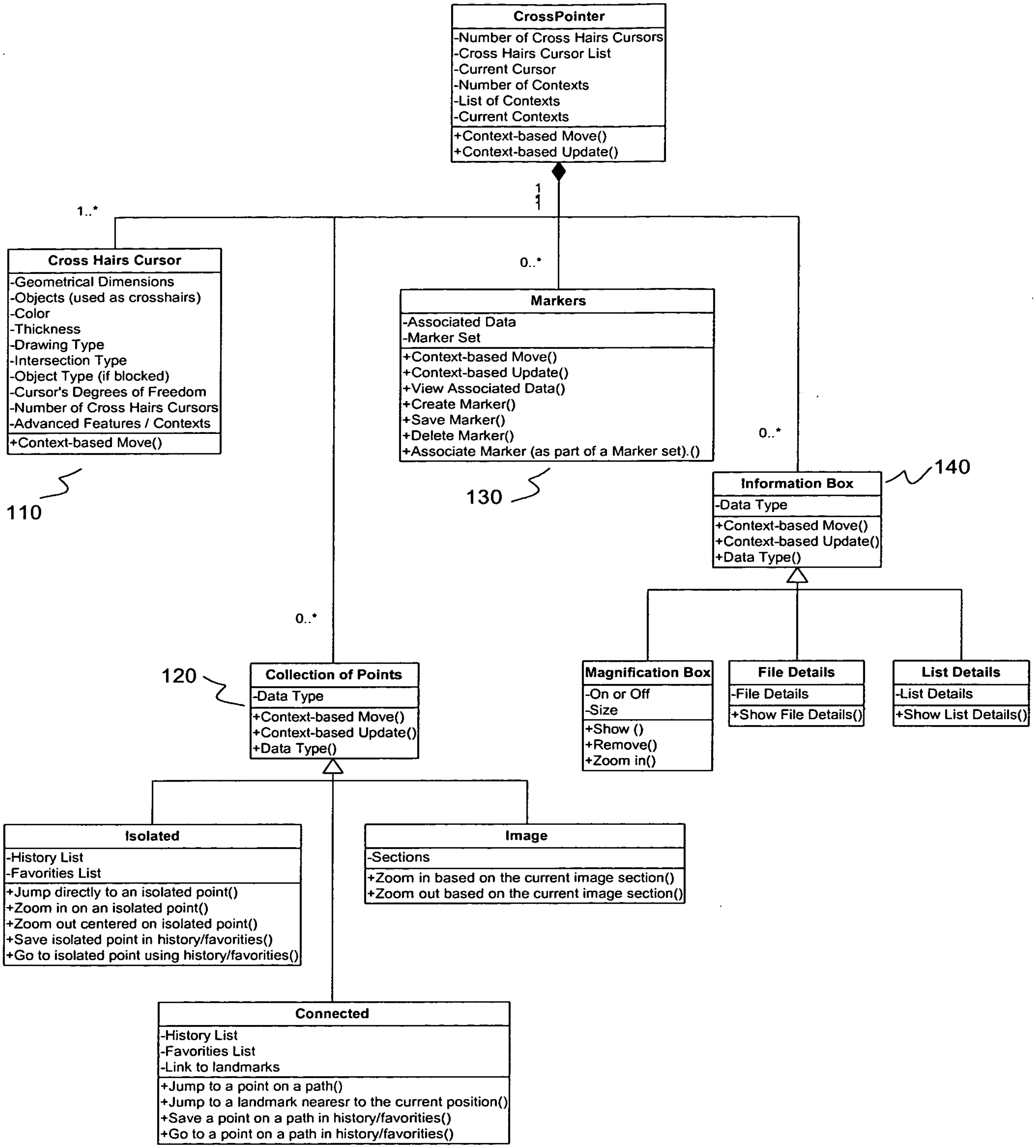

CrossPointer
-Number of Cross Hairs Cursors
-Cross Hairs Cursor List
-Current Cursor
-Number of Contexts
-List of Contexts
-Current Contexts
+Context-based Move()
+Context-based Update()
1
1
1..*
0..*
0..*
0..*
Cross Hairs Cursor
-Geometrical Dimensions
-Objects (used as crosshairs)
-Color
-Thickness
-Drawing Type
-Intersection Type
-Object Type (if blocked)
-Cursor's Degrees of Freedom
-Number of Cross Hairs Cursors
-Advanced Features / Contexts
+Context-based Move()
110
Markers
-Associated Data
-Marker Set
+Context-based Move()
+Context-based Update()
+View Associated Data()
+Create Marker()
+Save Marker()
+Delete Marker()
+Associate Marker (as part of a Marker set).()
130
Information Box
-Data Type
+Context-based Move()
+Context-based Update()
+Data Type()
140
Magnification Box
-On or Off
-Size
+Show ()
+Remove()
+Zoom in()
File Details
-File Details
+Show File Details()
List Details
-List Details
+Show List Details()
120
Collection of Points
-Data Type
+Context-based Move()
+Context-based Update()
+Data Type()
Isolated
-History List
-Favorities List
+Jump directly to an isolated point()
+Zoom in on an isolated point()
+Zoom out centered on isolated point()
+Save isolated point in history/favorities()
+Go to isolated point using history/favorities()
Image
-Sections
+Zoom in based on the current image section()
+Zoom out based on the current image section()
Connected
-History List
-Favorities List
-Link to landmarks
+Jump to a point on a path()
+Jump to a landmark nearesr to the current position()
+Save a point on a path in history/favorities()
+Go to a point on a path in history/favorities()

FIG. 1

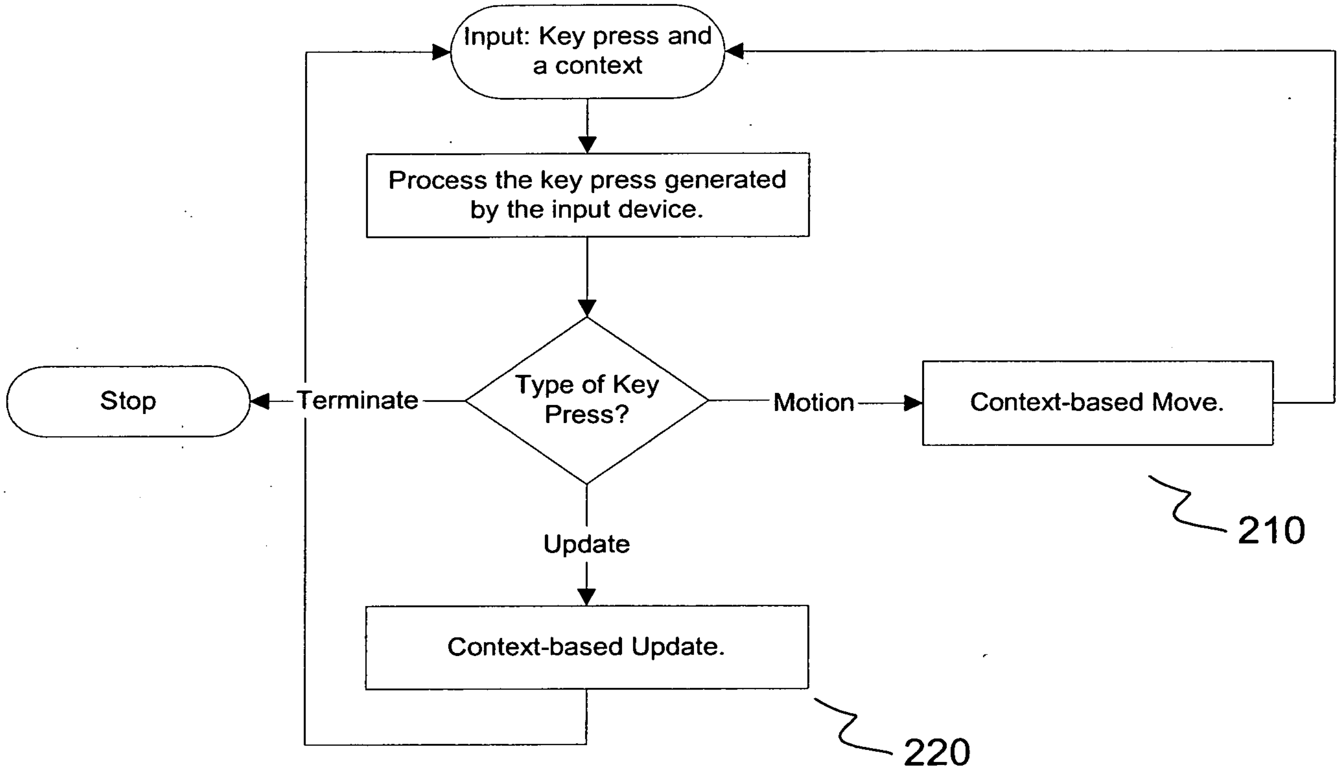

Input: Key press and a context
Process the key press generated by the input device.
Type of Key Press?
Terminate
Stop
Motion
Context-based Move.
Update
Context-based Update.
210
220

FIG. 2

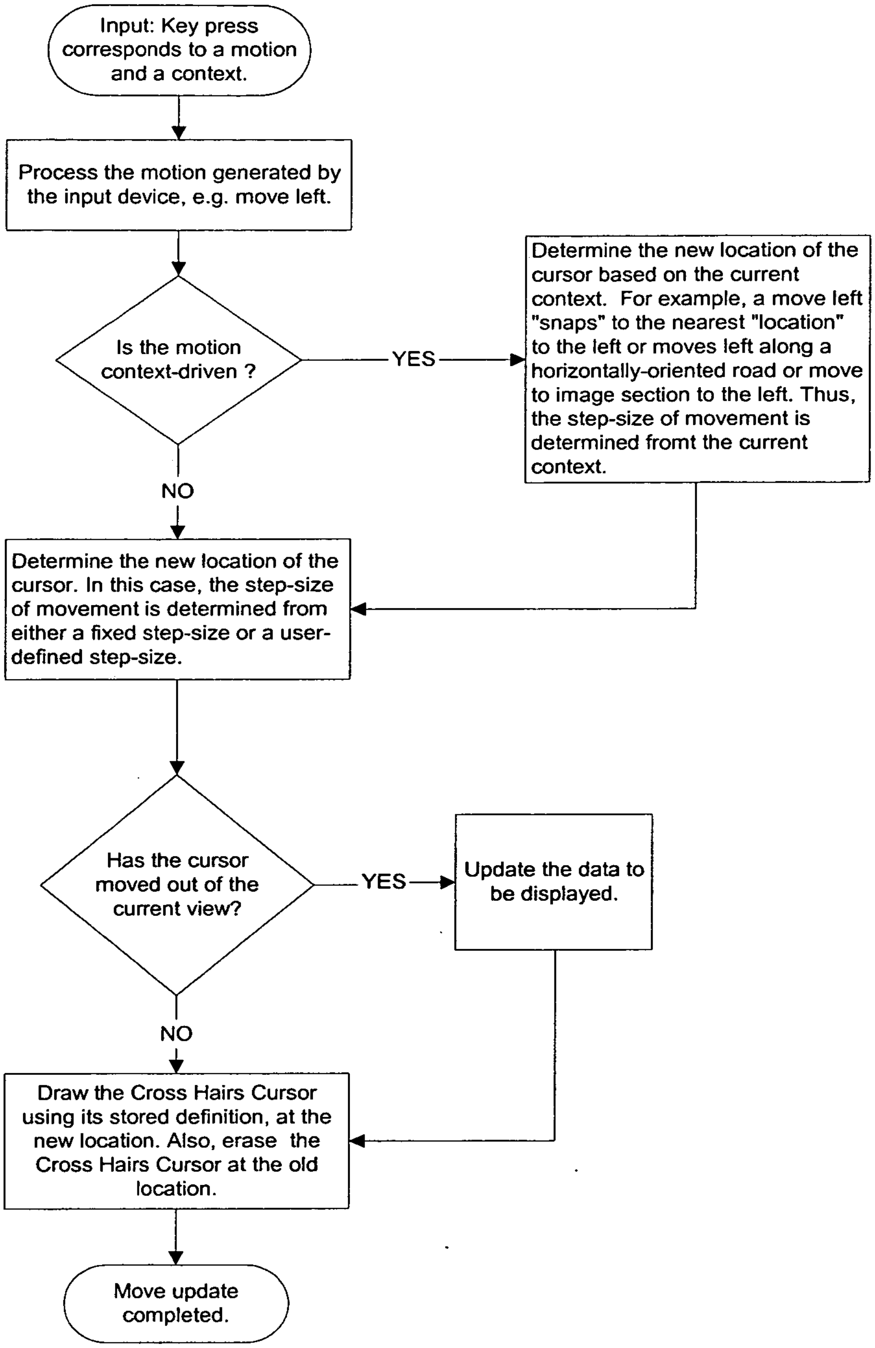

Input: Key press corresponds to a motion and a context.
Process the motion generated by the input device, e.g. move left.
Is the motion context-driven ?
YES
Determine the new location of the cursor based on the current context. For example, a move left "snaps" to the nearest "location" to the left or moves left along a horizontally-oriented road or move to image section to the left. Thus, the step-size of movement is determined fromt the current context.
NO
Determine the new location of the cursor. In this case, the step-size of movement is determined from either a fixed step-size or a user-defined step-size.
Has the cursor moved out of the current view?
YES
Update the data to be displayed.
NO
Draw the Cross Hairs Cursor using its stored definition, at the new location. Also, erase the Cross Hairs Cursor at the old location.
Move update completed.

FIG. 3

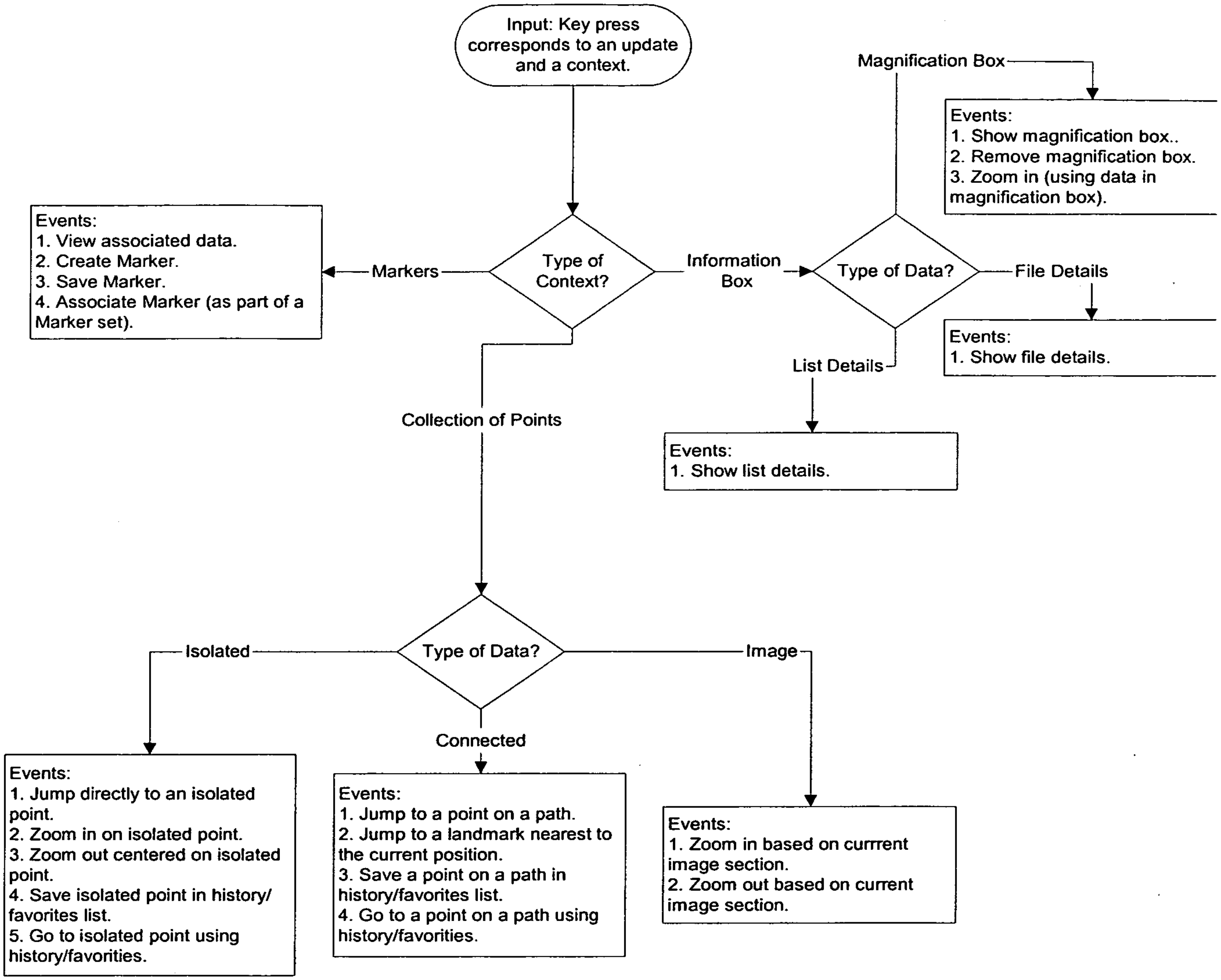

Input: Key press corresponds to an update and a context.
Type of Context?
Markers
Events:
1. View associated data.
2. Create Marker.
3. Save Marker.
4. Associate Marker (as part of a Marker set).
Information Box
Type of Data?
Magnification Box
Events:
1. Show magnification box..
2. Remove magnification box.
3. Zoom in (using data in magnification box).
File Details
Events:
1. Show file details.
List Details
Events:
1. Show list details.
Collection of Points
Type of Data?
Isolated
Events:
1. Jump directly to an isolated point.
2. Zoom in on isolated point.
3. Zoom out centered on isolated point.
4. Save isolated point in history/ favorites list.
5. Go to isolated point using history/favorities.
Connected
Events:
1. Jump to a point on a path.
2. Jump to a landmark nearest to the current position.
3. Save a point on a path in history/favorites list.
4. Go to a point on a path using history/favorities.
Image
Events:
1. Zoom in based on currrent image section.
2. Zoom out based on current image section.

FIG. 4

BEST AVAILABLE COPY

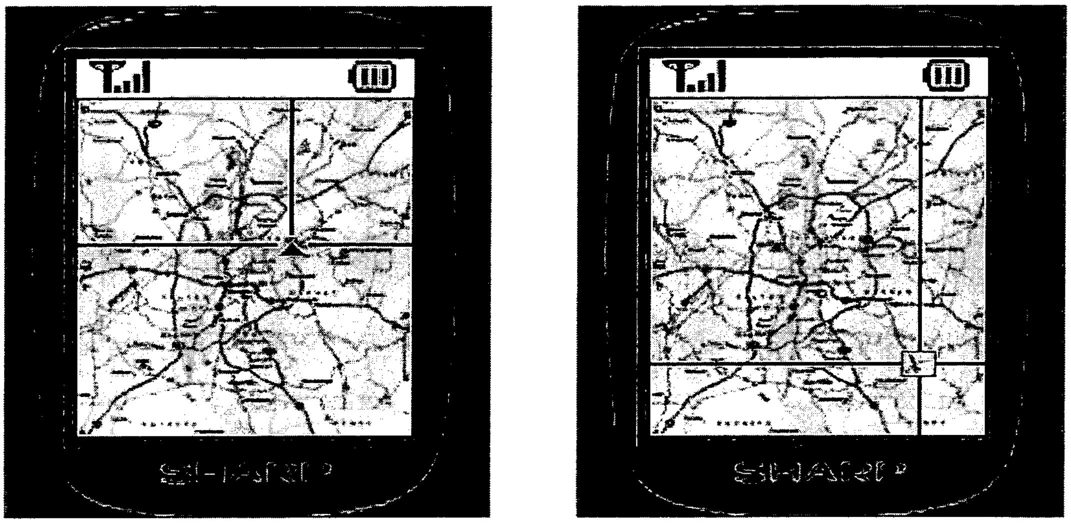


FIG. 5

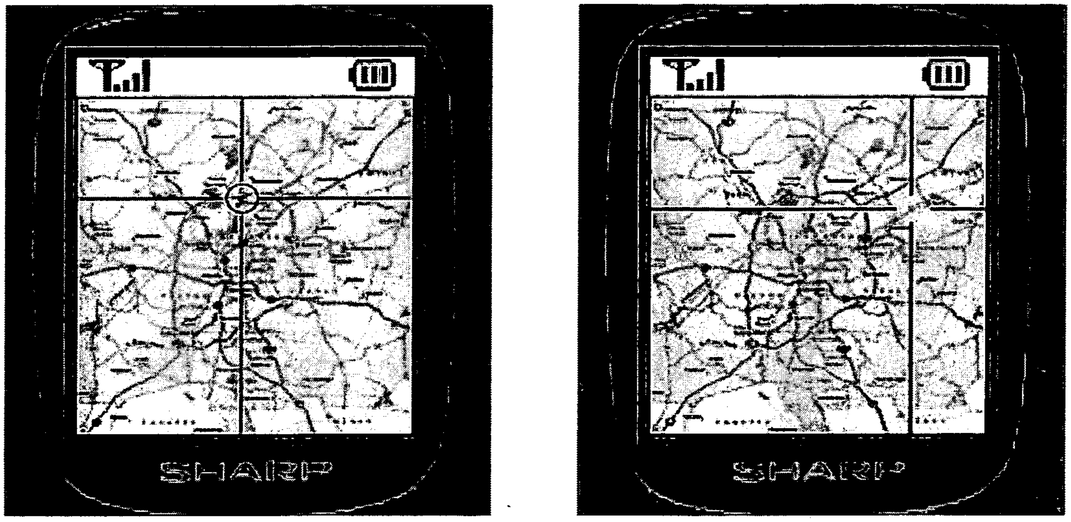


FIG. 6

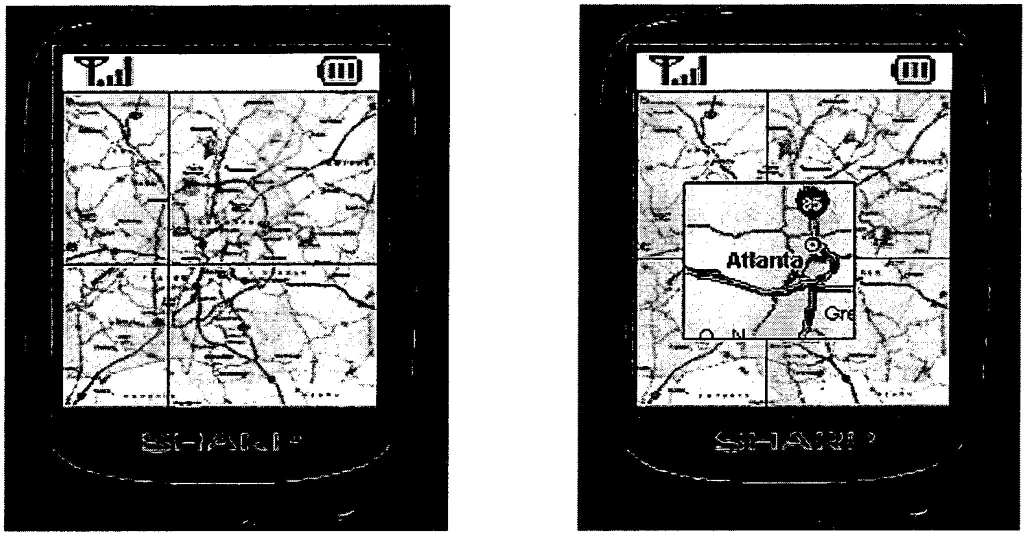


FIG. 7

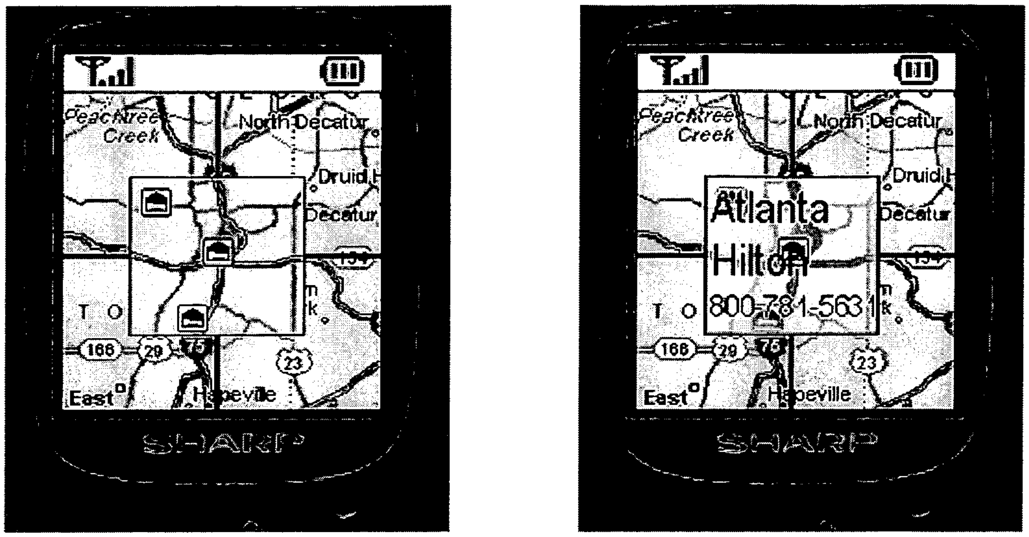

Peachtree Creek
North Decatur
Druid H
Decatur
T O
166
29
75
23
East
Hapeville
SHARP
Atlanta Hilton
800-781-5631

FIG. 8

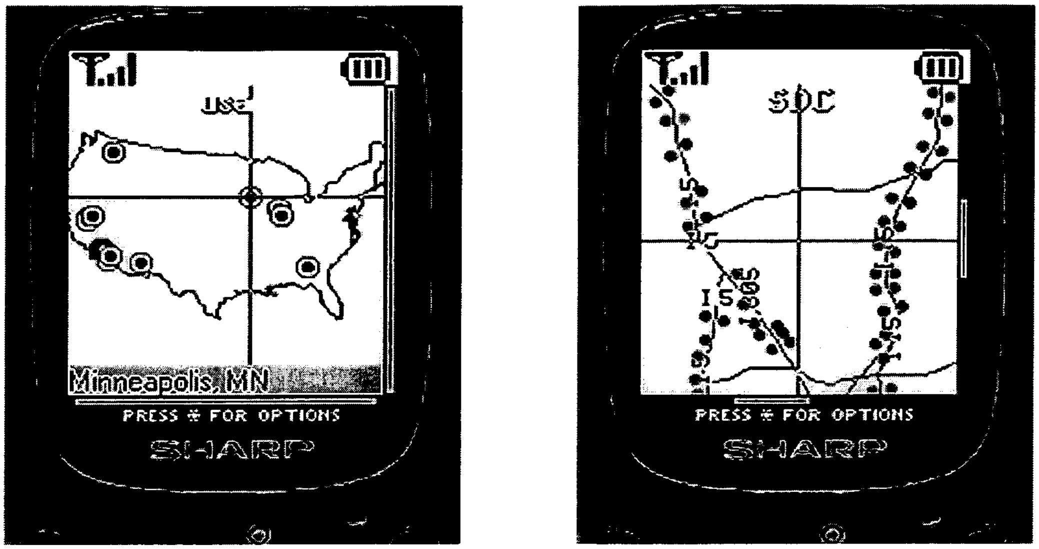

USA
Minneapolis, MN
PRESS ※ FOR OPTIONS
SHARP
SDC
I-5
I-805
I-15
PRESS ※ FOR OPTIONS
SHARP

FIG. 9

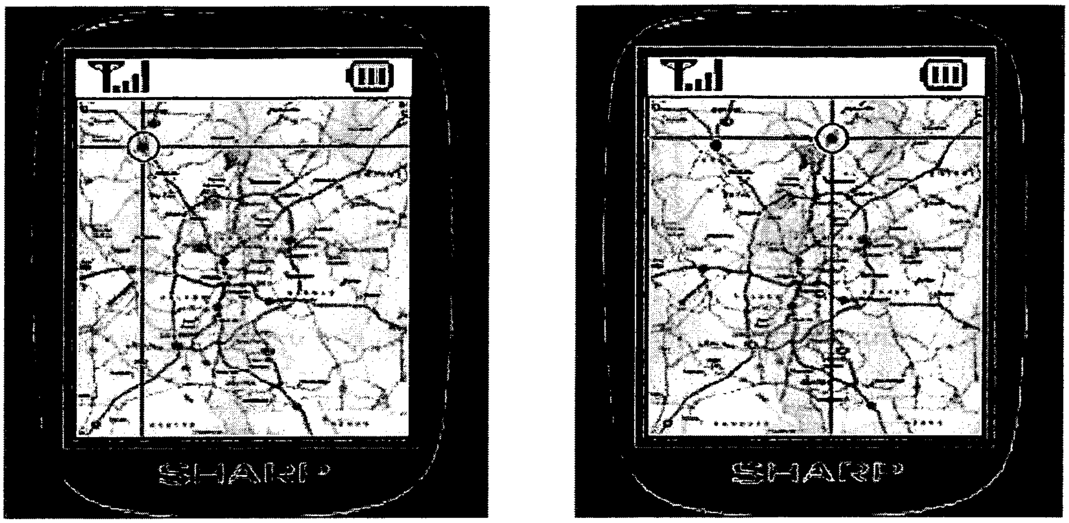


FIG. 10

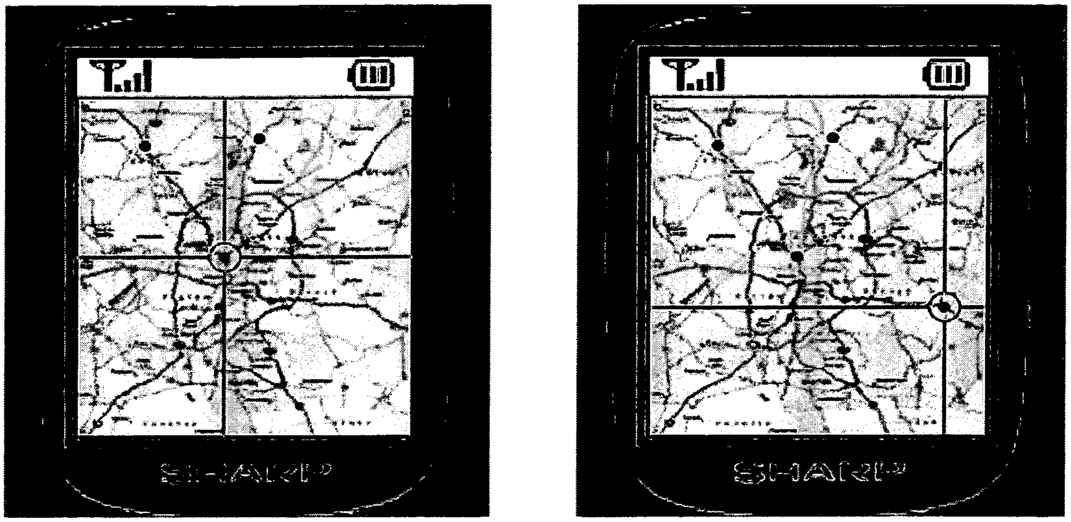


FIG. 11

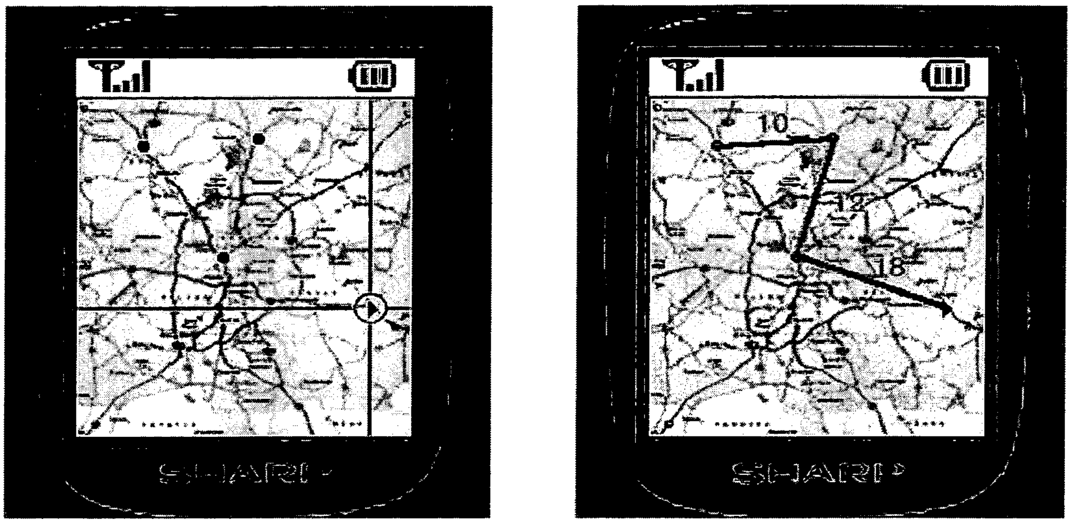


FIG. 12

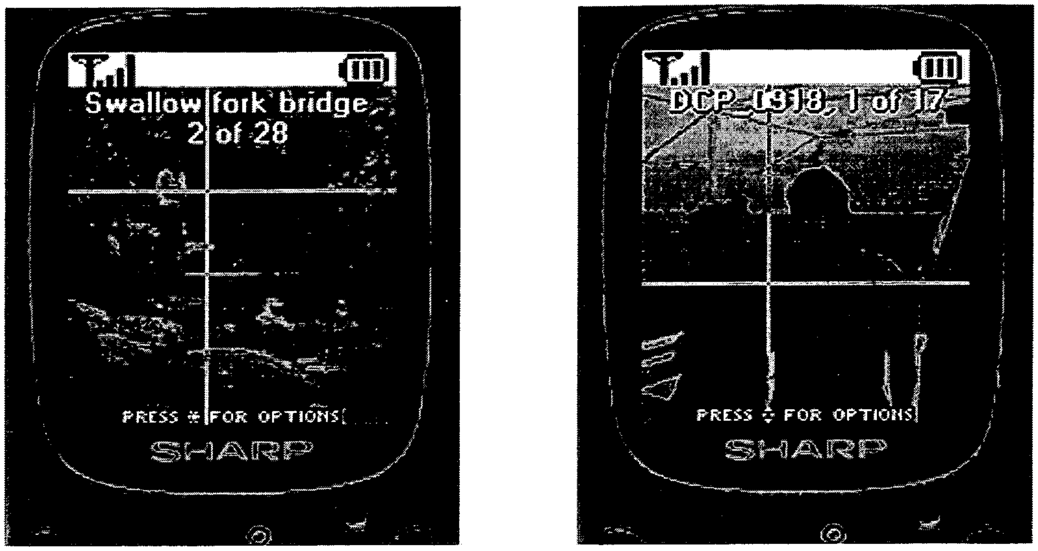

Swallow fork bridge
2 of 28
PRESS ✱ FOR OPTIONS
SHARP
DCP_1918, 1 of 17
PRESS ⇕ FOR OPTIONS
SHARP

FIG. 13

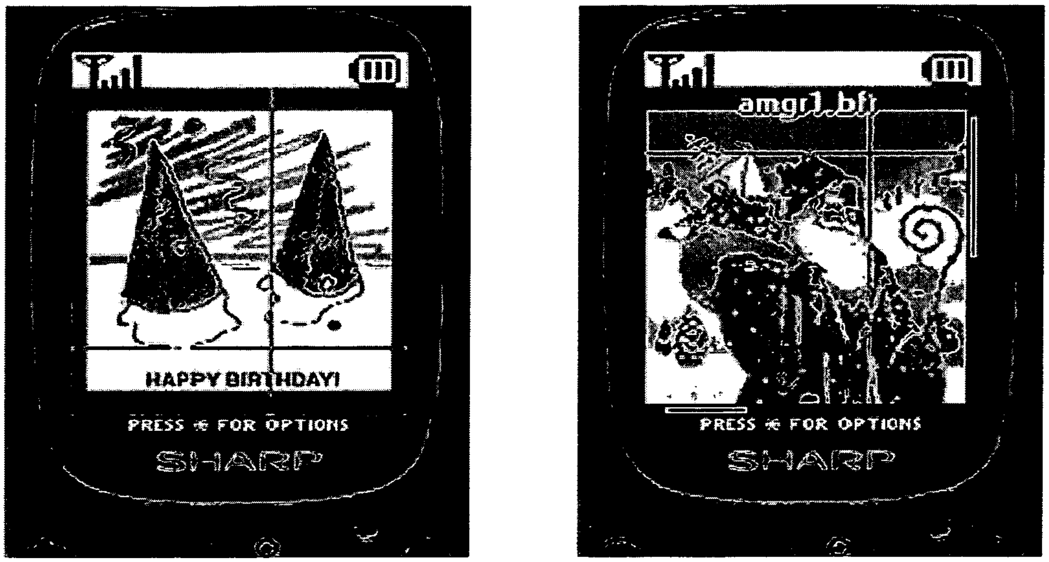
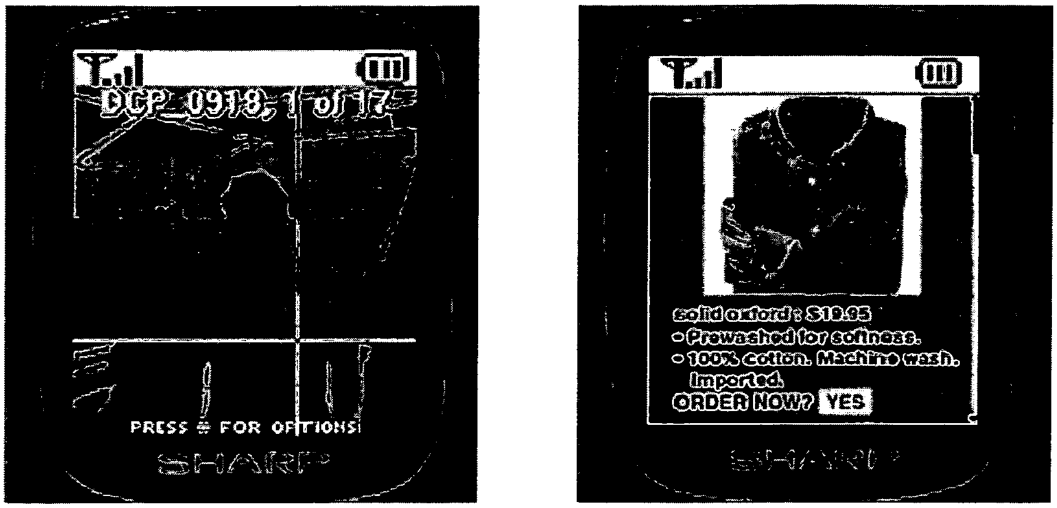

HAPPY BIRTHDAY!
PRESS ✱ FOR OPTIONS
SHARP
amgr1.bft
PRESS ✱ FOR OPTIONS
SHARP

FIG. 14



solid oxford : $19.95

• Prewashed for softness.

• 100% cotton. Machine wash. Imported.

ORDER NOW? YES

FIG. 15